

**FY 2010 SUMMARY**  
**USACE / SCA CONSERVATION INTERN & CREW PARTNERSHIPS**

**ARKANSAS**

**Bull Shoals & Norfolk Lakes**

12 week intern: 5/17/10 – 8/6/10

**Public Safety Intern:** Provide educational outreach and interpretive programming, as part of a team, that encourages public safety which includes all aspects of recreation safety on USACE lands and waters, with the primary focus on water and boating safety for all ages, but with an emphasis on targeting the highest risk group of 18-35 year old males; develop outreach mechanisms for this target audience; update bulletin boards; maintain life jacket loaner stations; organize events; conduct campfire talks, hikes, and tours; interact with park visitors; assist in search and rescue and as a second (safety) person for boat patrols made by park rangers (possible); increase safety awareness through communication and lead by example anytime you are near the water or participating in water-related activities; provide valuable information on how to improve our programs by maintaining open communication with rangers and managers, passing on ideas for improvement gathered during daily contact with visitors; keep our parks friendly places for outdoor recreation and socialization; assist park rangers and other employees by performing routine tasks pertinent their natural resources/recreation management and public safety programs

**CALIFORNIA**

**Lake Mendocino**

10 week intern: 6/7/10 – 8/16/10

**Public Safety Intern:** Provide educational outreach and interpretive programming, as part of a team, that encourages public safety which includes all aspects of recreation safety on USACE lands and waters, with the primary focus on water and boating safety for all ages, but with an emphasis on targeting the highest risk group of 18-35 year old males; develop outreach mechanisms for this target audience; update bulletin boards; maintain life jacket loaner stations; organize events; conduct campfire talks, hikes, and tours; interact with park visitors; assist in search and rescue and as a second (safety) person for boat patrols made by park rangers (possible); increase safety awareness through communication and lead by example anytime you are near the water or participating in water-related activities; provide valuable information on how to improve our programs by maintaining open communication with rangers and managers, passing on ideas for improvement gathered during daily contact with visitors; keep our parks friendly places for outdoor recreation and socialization; assist park rangers and other employees by performing routine tasks pertinent their natural resources/recreation management and public safety programs

**Lake Sonoma**

16 week interns (2): 6/7/10 – 9/24/10

**Public Safety Intern:** Provide educational outreach and interpretive programming, as part of a team, that encourages public safety which includes all aspects of recreation safety on USACE lands and waters, with the primary focus on water and boating safety for all ages, but with an emphasis on targeting the highest risk group of 18-35 year old males; develop outreach mechanisms for this target audience; update bulletin boards; maintain life jacket loaner stations; organize events; conduct campfire talks, hikes, and tours; interact with park visitors; assist in search and rescue and as a second (safety) person for boat patrols made by park rangers (possible); increase safety awareness through communication and lead by example anytime you are near the water or participating in water-related activities; provide valuable information on how to improve our programs by maintaining open communication with rangers and managers, passing on ideas for improvement gathered during daily

contact with visitors; keep our parks friendly places for outdoor recreation and socialization; assist park rangers and other employees by performing routine tasks pertinent their natural resources/recreation management and public safety programs

## **ILLINOIS**

### **Lake Shelbyville**

12 week interns (2): 5/17/10 – 8/6/10

**Public Safety Intern:** Provide educational outreach and interpretive programming, as part of a team, that encourages public safety which includes all aspects of recreation safety on USACE lands and waters, with the primary focus on water and boating safety for all ages, but with an emphasis on targeting the highest risk group of 18-35 year old males; develop outreach mechanisms for this target audience; update bulletin boards; maintain life jacket loaner stations; organize events; conduct campfire talks, hikes, and tours; interact with park visitors; assist in search and rescue and as a second (safety) person for boat patrols made by park rangers (possible); increase safety awareness through communication and lead by example anytime you are near the water or participating in water-related activities; provide valuable information on how to improve our programs by maintaining open communication with rangers and managers, passing on ideas for improvement gathered during daily contact with visitors; keep our parks friendly places for outdoor recreation and socialization; assist park rangers and other employees by performing routine tasks pertinent their natural resources/recreation management and public safety programs

## **IOWA**

### **Coralville Lake**

52 week intern: 9/15/09 – 9/14/10 & 9/15/10 – 9/14/11

**Ecological Restoration Intern:** Assist the Hawkeye Cooperative Weed Management (CWMA) with public outreach and education and grant writing; identify and GPS invasive species for entry into the Midwest Invasive Plant Network; work to eradicate invasive species from undeveloped areas around the lake; work with adjacent homeowner associations in identifying and eradicating invasive species on private land adjacent to public land; organize and manage volunteer groups in invasive species management; create and present interpretive programs regarding invasive species; assist with prescribed burns (both prairie and woodland); assist in writing prescribed burn plans; assist with the wildlife management program; complete a timber stand improvement project; and other conservation related duties (as needed)

## **KENTUCKY**

### **Buckhorn Lake**

12 week interns (2): 5/17/10 – 8/9/10

**Park Ranger/Natural Resource Management Intern** Collect data for a visitor monitoring survey; provide visitor assistance while monitoring campgrounds and recreation areas; administer a gypsy moth trapping program in cooperation with the U.S. Forest Service; participate in volunteer project events; assist Ranger staff in providing boat patrols of lake resources; perform trail system or recreation area improvements; maintain project signage and bulletin board displays; develop and maintain a wildlife food plot area; provide multiple interpretive program opportunities to visitors; complete a "Level One" natural resources inventory survey of project lands.

## **Nolin River Lake**

14 week intern: 5/17/10 – 8/23/10

**Interpretive Intern:** Prepare and conduct water safety programs in campgrounds and on beaches; prepare and conduct interpretive programs related to natural and cultural resources; develop programs related to natural and cultural resources; coordinate water safety activities with other seasonal staff; promote water safety in the local community; assist permanent Park Rangers with routine boat patrols of the lake to inform visitors of unsafe boating practices; assist with collection of visitor data through the Corps comment card program; work with volunteers and local organizations to complete various work projects at the lake, including trail maintenance, wildlife habitat enhancement, and recreation area improvements; conduct the gypsy moth trapping program; distribute information to visitors; assist Rangers with collecting information related to violations of rules and regulations; assist with Nolin's shoreline management program.

## **MASSACHUSETTS**

### **Charles River Valley Natural Storage Area / West Hill Dam**

52 week interns (2): 1/11/10 – 1/10/11 & 5/24/10 – 5/27/11

**GIS Intern:** Locate Corps boundary and easement lines and property markers (using GPS Trimble Geo XT); gather data and enter into database for export into ArcGIS version 9.3; scan and georeference survey related documents; create maps using raster data sets, shape files, and ortho photos; provide contractor with complete data package for boundary maintenance work; additional GIS assignments do become available as needed

## **MINNESOTA**

### **St. Paul District**

12 week intern: 5/24/10 – 8/14/10

**Forestry Technician Intern:** Assist a forester and natural resource specialists in preparing forest resource inventories, stand prescription development, forest regeneration surveys, timber stand improvement projects, timber cruising, timber sales and public relations; develop and present interpretive programs; survey aquatic plants; conduct prairie restoration work; analyze hazardous trees; provide emergency response; conduct water quality work; provide safety related programs, minor site maintenance, and basic administrative duties; performs tasks relevant to recreation activities at an assigned park site, including patrol of reservoir areas, conducting individual or group tours of recreation areas, or participating in recreational and water safety programs (as needed). Natural resource staff and rangers will mentor you through all aspects of your duties. Work-sites are primarily accessed via flat bottom motorboat.

## **MISSOURI**

### **Mark Twain Lake**

29 week intern: 11/1/10 – 5/22/11

**Interpretive Services Intern:** Provide one-on-one communication and speak to groups to present interpretive and educational water safety, nature, and special request programs for all age groups comprising a variety of audiences (i.e., campground visitors, school groups, organized groups such as the Boy Scouts); create and present original interpretive and outreach programming; prepare and implement special events, such as Water Safety days; align interpretive outreach and visitor center programs with state educational standards and Corps mission; write news releases, as well as develop and implement new marketing and media campaigns; develop and maintain the interpretive services

webpage; staff the Visitor Center to greet visitors, provide information, monitor special group use of multi-purpose room, answer phone and email inquiries, and staff the nature bookstore; design, construct, and maintain Visitor Center displays; maintain office display of informational materials and products and distribute visitor information to local and regional visitor centers; foster and encourage new partnerships while working with current partners and volunteers; ensure compliance with rules, regulations, and policies; perform other duties as assigned; represent the Corps in this public contact role by wearing and maintaining a prescribed uniform and present an neat, clean, and well-groomed appearance.

### **Wappapello Lake**

10 week intern: 6/7/10 – 8/13/10

**Public Safety Intern:** Provide educational outreach and interpretive programming, as part of a team, that encourages public safety which includes all aspects of recreation safety on USACE lands and waters, with the primary focus on water and boating safety for all ages, but with an emphasis on targeting the highest risk group of 18-35 year old males; develop outreach mechanisms for this target audience; update bulletin boards; maintain life jacket loaner stations; organize events; conduct campfire talks, hikes, and tours; interact with park visitors; assist in search and rescue and as a second (safety) person for boat patrols made by park rangers (possible); increase safety awareness through communication and lead by example anytime you are near the water or participating in water-related activities; provide valuable information on how to improve our programs by maintaining open communication with rangers and managers, passing on ideas for improvement gathered during daily contact with visitors; keep our parks friendly places for outdoor recreation and socialization; assist park rangers and other employees by performing routine tasks pertinent their natural resources/recreation management and public safety programs

## **OHIO**

### **Deer Creek Lake**

13 week intern: 5/13/- 8/22/10

**Park Ranger Natural Resource Intern:** Assist the Corps Park Ranger/Natural Resource Specialist; provide natural resource management work (construction of bird boxes); provide minor boundary maintenance; assist in recruitment of and oversight of volunteers; implement the Corps water safety program; set up fair booths and provide water safety information and the Corps story at fairs; patrol by boat and vehicle; assist with flood damage reduction operations; work at special events representing the Corps

### **Paint Creek Lake**

13 week intern: 5/17/10 – 8/13/10

**Park Ranger Natural Resource Intern:** Assist the Corps park ranger/natural resource specialist; provide natural resource management work (construction of small fishing dock, bird boxes); provide minor trail and boundary maintenance; assist in recruitment of and oversight of volunteers; implement the Corps water safety program; patrol by boat and vehicle; assist with flood damage reduction operations; work at special events representing the Corps.

## **OREGON**

### **Bonneville Lock & Dam**

21 week interns (6): 1/4/10 – 6/1/10

**Sea Lion Observer Intern:** Observe sea lion predation on salmon and other species below Bonneville Dam; watch with binoculars to enumerate predation events; identify species of fish taken; identify

species of pinnipeds present and number of pinnipeds present; identify individual pinnipeds and note other behaviors; study the impacts of harassment methods; data input and analysis. Observations occur from dawn to dusk at three locations at the dam, seven days a week.

#### **John Day Dam**

17 week interns (6): 4/5/10 – 7/30/10

**Avian/Salmon Predator Observer Intern:** Observe gull and other avian species predation on juvenile salmon and other species below John Day Dam; watch with binoculars to enumerate predation events; identify species of birds present and number of birds present; assist with collection of stomach contents of birds, study the impacts of harassment methods; data input and analysis. Observations occur from dawn to dusk at up to 8 locations at the dam, seven days a week.

### **PENNSYLVANIA**

#### **Raystown Lake**

12 week intern: 7/12/10 – 10/1/10

**Chestnut Orchard Technician:** The orchard technician would provide tree care, planting, and maintenance of an American Chestnut breeding orchard in cooperation with the American Chestnut Foundation. Technician may also provide tours and education presentations on the American Chestnut. Work includes use of mowers, weeders, fertilizer, herbicide sprayers and hand tools.

### **TEXAS**

#### **Lake Texoma**

29 week & 14 week interns: 5/26/10 – 12/17/10 & 5/26/10 – 8/31/10

**GIS/SMP Field Intern:** Collect data and other pertinent information utilizing Trimble Geo XT and Geo XH GPS units; collect data on all SMP permits such as mowing, trails, roads, private boat docks, etc.; download data into local computer systems; assist in the eventual update of the Lake Texoma Shoreline Management Plan.

#### **Trinity Regional Lakes**

12 week interns (4): 5/17/10 – 8/6/10

**Water Safety Outreach Intern:** Provide outreach and interpretive programming, as part of a team, specifically on water and boating safety for all, but with emphasis on 17-35 year olds swimming from shoreline and in designated areas; develop outreach mechanisms for this target audience; update bulletin boards; establish/replenish life jacket loaner stations; interact with park visitors; conduct other interpretive programs such as: Urban Wildlife, Campfire Cooking, Bird Identification, Guided Nature Hikes, How a Corps Dam functions to manage flood risk, etc.(as time allows); create temporary community through fostering of communication between park visitors and personnel; help to keep our parks friendly places for outdoor recreation and socialization; provide valuable information on how to improve our parks by maintaining open communication with Rangers and Managers, passing on ideas for improvement gathered during daily contact with visitors.

#### **Whitney Lake**

12 week interns (2): 1/4/10 – 3/29/10

**Whitney Lake Park Ranger/GIS Specialist Intern:** Walk government property line and use GPS/GIS equipment, in order to document monuments and encroachments onto government land; assist with various natural resource and recreation projects; perform minor administrative and clerical duties

## **VERMONT**

### **Upper Connecticut River Basin**

12 – 29 week interns (7): 5/1/10 – 11/27/10

**Wildlife Management/Bats Intern :** Conduct various small mammal inventories (mainly bat mistnetting) and assist with a variety of other wildlife inventories (small mammals, birds, herptiles) in a variety of habitats and locations, 50%; assist with a variety of resource management activities including invasive plant control and eradication, 40%; computer data entry, 10%

**Wildlife Management Intern:** Conduct vegetative covertype inventories and input data, 50%; assist with various wildlife inventories (small mammals, bats, birds, herptiles) in a variety of habitats and locations, 20%; assist with a variety of resource management activities, 20%; computer data entry and report writing, 10%.

**Wildlife Management/Small Mammals Intern:** Conduct various small mammal inventories (mainly livetrapping) and assist with a variety of other wildlife inventories (birds, herptiles, bats, vegetative covertypes) in a variety of habitats and locations, 50%; assist with a variety of resource management activities including invasive plant control and eradication, 40%; computer data entry, 10%

**15 day High School Crew:** 7/6/10 – 7/21/10

Working on invasive plant control programs including handpulling aquatic plants (Eurasian watermilfoil) and lopping/sawing/pulling of terrestrial invasive plants (such as honeysuckle, autumn olive, and garlic mustard).

## **WASHINGTON**

### **Chief Joseph Dam**

21 Day High School Crew: 6/9/10 – 6/30/10

This is a 21 day crew with 14 days onsite on the work project. Two to three days will be spent on minor fence maintenance (brush clearing under barbed wire fence), fire line maintenance, and trail maintenance at a primitive boat-in only camp area. The remainder of the time will be spent planting trees critical for wildlife and removing larger trees that have already been cut to the ground. Some manual pulling of specified noxious weeds will occur. The crew have two different camp areas during their stay. Work will occur near both sites as well as on day trips by boat to 4 other planting sites. Multiple opportunities for environmental education will occur during the visit.

### **Ice Harbor Lock & Dam**

52 week intern: 3/15/10 – 3/14/11

**GIS Specialist Intern:** Assist GIS/GPS specialist with data management of existing areas, upload new data into databases and update metadata when changes occur, work to coordinate system issues, create new data layers from spreadsheets, work with geodatabases, work with Wildlife, Park and Maintenance staff with infrastructure mapping and habitat data collection and create GIS maps of Habitat Management Units and Parks, 50%; locate Corps boundary and easement lines and marker/monuments (using GPS Trimble Geoexplorer - version- 2.90 or 3), gather data and enter into database for export into Arc View and Arc Map GIS, scan survey related documents and install Carsonite markers/signs as directed, 40%; develop GIS products required for shoreline and operational plans, 10%.

